

2011 Annual Report

MARYLAND USED MOTOR OIL RECYCLING PROGRAM



Prepared for:
The Education, Health and
Environmental Affairs Committee
And the Environmental Matters
Committee of the Maryland General Assembly

Submitted by:
Maryland
Environmental
Service



Submitted to:
Maryland
Department of
the
Environment



January 2012

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EXECUTIVE SUMMARY

The Maryland Environmental Service (MES) administers the Maryland Used Oil Recycling Act through an Intergovernmental Agency Agreement (IGA) with the Maryland Department of the Environment (MDE). The Used Oil Recycling Act is found in Maryland Environment Article 5-1001. MES is responsible for implementing a statewide program for the construction, operation, and the routine maintenance of used oil collection facilities; providing public education and outreach programs related to the disposal of used motor oil; and maintaining an information center to educate citizens regarding the proper disposal of used motor oil. Additionally, MES utilizes these used motor oil collection sites for the collection of related recyclables including used antifreeze and used oil filters.

MES also administers funding from the MDE for the purpose of implementing supplemental environmental projects. Specifically, this grant funding is used to assist in the construction of “rain shelters” to minimize storm water contact with the used motor oil collection tanks and used to fund the purchase of new, upgraded above-ground storage tanks for new sites, as well as replacements for older sites.

Since 1988, the MES and MDE partnership has resulted in the collection and recycling of over 14,800,000 gallons of used motor oil in the State of Maryland. Similarly, the program has accomplished the collection and recycling of almost 780,000 gallons of used antifreeze from Maryland Do-It-Yourself automobile enthusiasts. The antifreeze is currently collected and shipped to a recycling facility where it is filtered, distilled, and reformulated into automotive antifreeze and industrial ethylene glycol.

During the current calendar year, MES collected 613,230 gallons of used motor oil and 40,414 gallons of used antifreeze from program-sponsored locations. Additionally, during this period, MES added used oil filter collection service at select program-sponsored locations, resulting in the collection and recycling of 255 drums of used oil filters.



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INTRODUCTION

The 2011 Used Oil Recycling Program Annual Report is provided to the Maryland General Assembly as a requirement of Environment Article 5-1001 Section (g).

The Maryland Environmental Service (MES), an independent agency of the State of Maryland, is responsible for the administration and implementation of the Maryland Used Oil Recycling Program through an Intergovernmental Agency Agreement (IGA) with the Maryland Department of the Environment (MDE). Program management includes the designation of used oil collection facilities, technical and financial assistance to establish collection facilities, routine inspection and cleaning of program-sponsored facilities, public education, and operation of an information center and implementation of other non-regulatory provisions of the Maryland Used Oil Recycling Act. MES is pleased to provide the following report detailing the accomplishments, initiatives and progress of the Program during the past year as well as proposed plans for calendar years 2012 - 2013.

BACKGROUND

The Maryland Used Oil Recycling Law was enacted in July 1978. Initial program start-up funding was allocated from energy funds. This funding enabled the Service to create a program to assist the home mechanic or Do-It-Yourselfer, with proper used motor oil disposal. The Service purchased oil collection tanks, collection boxes, hardware and signs. County and local governments were solicited to assist in establishing convenient and accessible used oil collection sites for citizens. A variety of collection sites were established. Most are located at government owned solid waste, public works and road maintenance facilities.



The Program has been successful at recruiting and maintaining donor locations for several reasons: 1) free collection service of used motor oil; 2) Program-provided financial assistance for tanks and shelters; and 3) the Program assumes the responsibility for disposing of any contaminated used oil.

The Used Oil Recycling Program was established primarily to respond to market forces that changed the economic dynamics of automobile service stations. In the past, service stations took used motor oil from individuals that changed the oil in their own cars and trucks. Now, the local service station sells milk and bread – not automobile related maintenance or repair services. Maryland's Do-

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It-Yourself automobile mechanics and enthusiasts needed a reliable and responsible alternative to recycle used motor oil.

USED MOTOR OIL COLLECTION PROGRAM

Collection of used motor oil from all statewide, program-participating locations yielded 613,230 gallons of used motor oil in calendar year 2011. Since its inception in 1988, the program has expanded from 44 collection sites to the current 141 operational sites and has recovered more than 14.8 million gallons of used motor oil. Used motor oil and antifreeze collection results are summarized at the end of the report. Copies of the detailed used motor oil and antifreeze collection records for the participating program sites are attached as well.

Key calendar year 2011 program accomplishments include the following:

- ☑ Collection of 613,230 gallons of used motor oil from program-sponsored locations;
- ☑ Collection of 40,414 gallons of used antifreeze from program-sponsored locations;
- ☑ Added used oil filter collection service to a number of program-sponsored locations
 - Collected and recycled 255 drums of used oil filters
 - Working to expand program State-wide
- ☑ Continued participation of 139 program-sponsored collection locations throughout the State;
- ☑ Added 2 new collection sites to the program;
 - Added new site in Anne Arundel County
 - Added new site in Worcester County
- ☑ Repaired / upgraded rain shelters at 3 sites;
 - Constructed new rain shelter at existing site in Garrett County
 - Repaired / upgraded rain shelter at site in Caroline County
 - Repaired / upgraded rain shelter at site in Talbot County
 - Repair / upgrade of rain shelter in Baltimore City currently pending



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- ☑ Upgraded and replaced older above-ground storage tanks at 6 sites;

- Replaced an older 275 gallon single-wall tank with a new 480 gallon double-wall tank at 1 site in Garrett County

- Replaced an older 275 gallon single-wall tank with a new 480 gallon double-wall tank at 1 site in Allegany

- Replaced 3 older 275 gallon single-wall tanks with new 280 gallon double-wall tanks at 3 sites in Harford County



- Replaced an older 275 gallon single-wall tank with a new 480 gallon double-wall tank at 1 site in Prince Georges County

- ☑ Working to expand used motor oil collection program within State;

- Currently have 1 additional site pending in Anne Arundel County

- Currently have 1 additional site pending in Garrett County

- ☑ Designed and printed public outreach pamphlet regarding used oil disposal and recycling;

- ☑ Designed and printed new stickers, labels, and signs for program-sponsored locations;

- ☑ Maintained a used motor oil and antifreeze website that provides information regarding all program-sponsored locations;

- ☑ Continued to maintain and answer the Public Information Number 800-4RECYCLE (800-473-2935) in response to citizen inquiries concerning proper used motor oil and antifreeze disposal and the nearest collection site

- ☑ Currently working on a new competitive bid for future collection, disposal, and recycling services;

- ☑ Performed annual inspections at all program-sponsored locations during the year;

- ☑ Performed supplementary cleaning and maintenance at 64 program-sponsored locations during the year

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With the Chesapeake Bay, Maryland boasts a large boating community. To serve the special needs of Maryland's boating community, MES continues to provide collection sites at designated State-operated marinas. Additionally, several private marinas throughout the State also participate in the program.

Good housekeeping practices are important aspects of spill control and contamination prevention. As part of the administration of the program, MES has conducted on-site audits of all program-sponsored collection facilities to assure that sponsors, recycling coordinators, site supervisors, and site operational staff are aware of their pollution prevention responsibilities. Additionally, MES staff conduct routine cleaning and maintenance, as necessary, to assist the site hosts in maintaining environmental compliance. During the 2011 calendar year, MES performed supplementary cleaning and maintenance at 64 program-sponsored locations.

Although there was one noted incident of non-compliance with the sites over the last year, there were no contamination incidents attributed to program-affiliated tank failures during the past year. MDE cited the site host for poor housekeeping and release of oil to the environment. The site host has completed all necessary remediation work associated with the incident and constructed a new facility for the collection of used motor oil. The Program continually reminds all site hosts that they are responsible for providing day-to-day monitoring and housekeeping of their tanks. MES staff provide assistance with housekeeping and compliance, as needed, based on the results of the routine site inspections. MES maintains a full-time staff to conduct routine site audits and assist with site maintenance and cleaning. Sites are upgraded, as needed, to increase compliance and minimize the potential for impacts to the environment.

Currently, there are a total of 141 participating program collection sites. In the past, several locations have withdrawn for various reasons, including prospects of financial gain. Given the constant concern over contaminated oil and public's abuse of the sites, including unauthorized dumping of trash and hazardous materials, MES continues to urge site hosts to remain in the Program. Due to the fact that the used oil can be easily contaminated with PCBs, brake cleaning fluids, and other readily accessible chemicals, MES and MDE feel that citizens are better served by local governments staying within the established program.



PUBLIC OUTREACH

MES continues to maintain and answer the Public Information Number **800-4RECYCLE** (800-473-2935) in response to citizen inquiries concerning proper disposal of used oil and anti-freeze and the location of the nearest collection site, as part of our Recycling Information Center. The program received over 144 calls in 2011 with the majority of callers requesting information on used oil collection locations. This resource provides the public valuable information regarding the handling, disposal, and recycling of various household wastes.

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The Service monitors NORA, formerly the National Oil Recyclers Association, now known as the Association of Responsible Recyclers (<http://www.noranews.org/>), a trade group representing over 200 companies in the liquid recycling industry. Managers at the MES review new technologies, issues, and trends within the industry, which allows the Service to provide current information to used oil program participants and the general public as necessary.

Collection reports, a current list of participating collection sites, newsletter publications, and supporting documentation are posted, and maintained on the MES web site – www.menv.com. During the 2011 calendar year, MES design and printed new stickers and signs for the collection sites. Additionally, MES designed and printed brochures providing information to the public about the importance of proper handling, disposal, and recycling of used motor oil and antifreeze. These brochures are given to County and local recycling coordinators for distribution and are circulated at local recycling trade shows and conferences. Additionally, this information is available on the MES web pages dedicated to used motor oil and antifreeze recycling.

PLANNED ACTIVITIES FOR 2012 AND 2013

Planned activities for calendar years 2012 and 2013 include, but are not limited to the following:

Public Outreach

- Continue updating and linking the used motor oil recycling pages on the MES web site – www.menv.com
- Continue the MES membership in NORA while updating program participants and citizens with current information, issues, and trends within the industry
- Present program updates to statewide solid waste managers and recycling coordinators

Operation and Maintenance

- Continue the annual auditing and inspection of all program-participating sites in order to ensure continued protection of the environment (copies of all audits are maintained at the MES headquarters)
- Continue the routine maintenance and cleaning program to ensure the continued safe operation of the program-participating sites
- Continue the tank upgrade program by replacing single-walled 275 gallon tanks with newer, more environmentally sound



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double-walled tanks

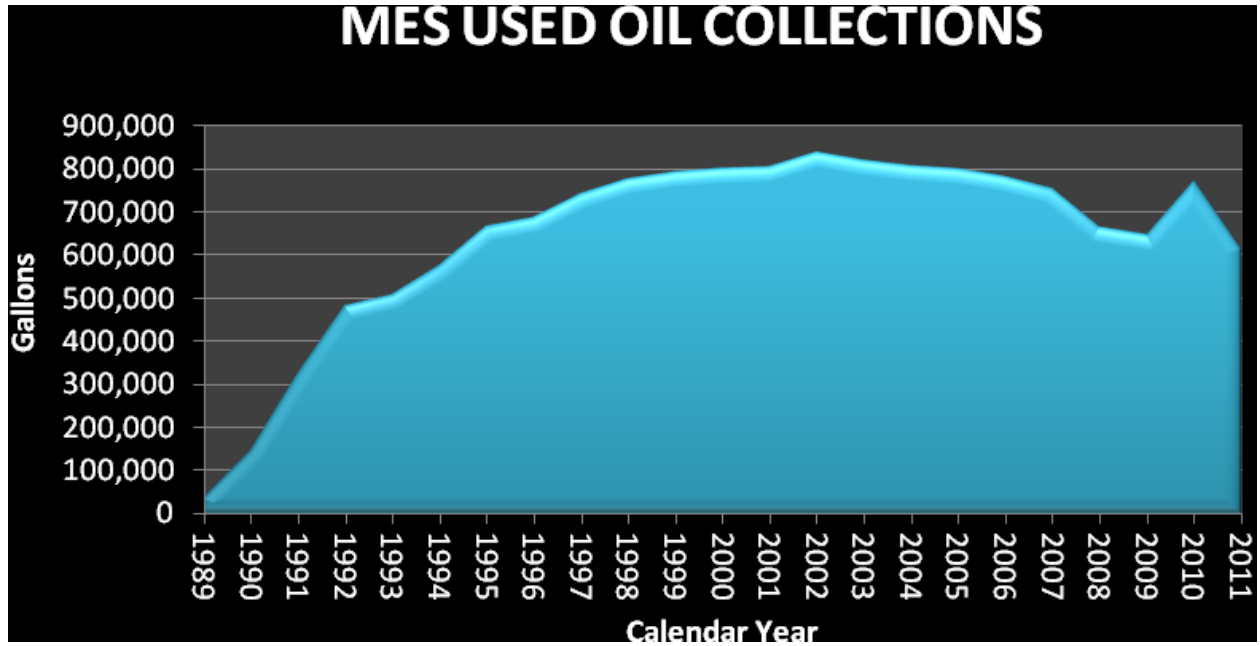
Administration

- Continue the grant program to assist in funding the construction of new sites and the upgrading of existing sites
- Continue to expand the used oil filter collection program to other sites throughout the State to address this associated waste stream



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USED MOTOR OIL COLLECTION SUMMARY

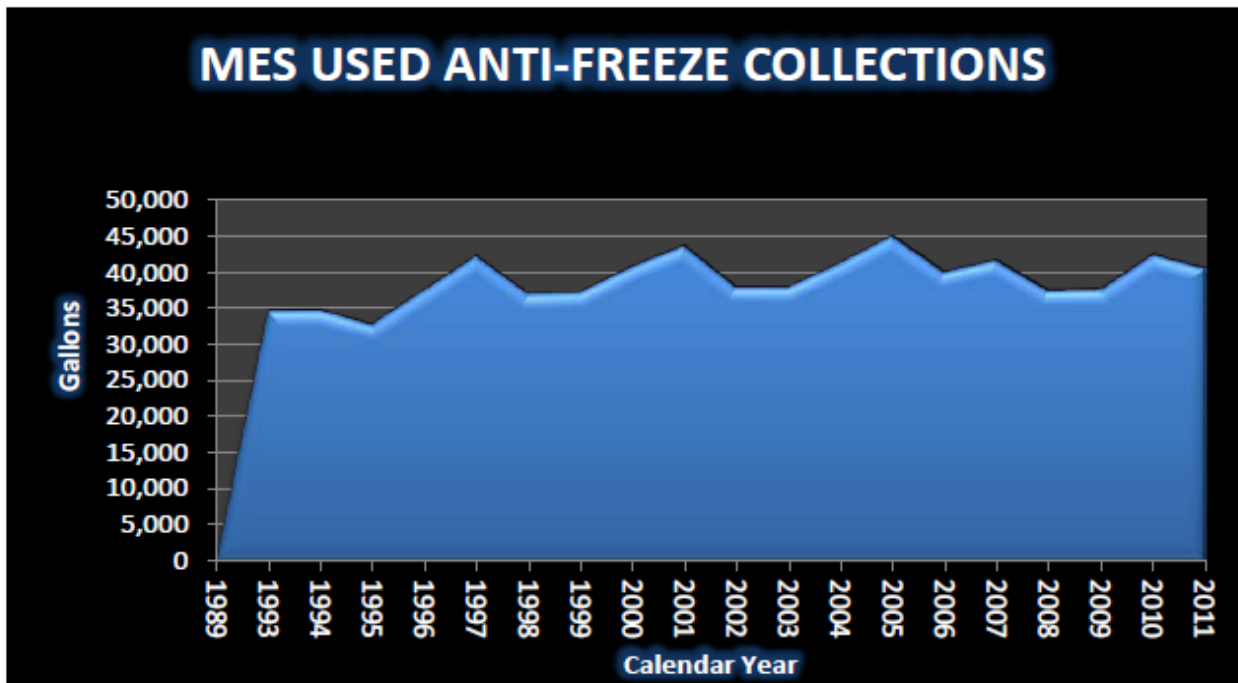


<u>Calendar Year</u>	<u>Used Oil (Gallons)</u>
1989	34,426
1990	145,153
1991	323,408
1992	482,019
1993	507,777
1994	575,391
1995	666,869
1996	687,095
1997	742,313
1998	776,806
1999	792,776
2000	801,297
2001	804,825
2002	838,805
2003	819,878
2004	807,175
2005	800,081
2006	781,869
2007	754,113
2008	664,889
2009	647,150
2010	772,780
2011	613,230
Total:	14,840,125



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USED ANTIFREEZE COLLECTION SUMMARY



<u>Calendar Year</u>	<u>Used Anti-Freeze (Gallons)</u>
1993	34,553
1994	34,635
1995	32,745
1996	37,414
1997	42,155
1998	36,915
1999	37,126
2000	40,675
2001	43,585
2002	37,850
2003	37,806
2004	41,166
2005	44,956
2006	39,930
2007	41,555
2008	37,353
2009	37,506
2010	42,322
2011	40,414
Total:	777,975

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DETAILED USED MOTOR OIL COLLECTION DATA

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ALLEGANY	6												0
Mountainview Landfill	82272901	240	336	500	480	220	408		491	200	360	508	3,743
Penn Mar Recycling Building	84006201	240	240	480	450	197		380		200	518	595	3,300
Allegany Co. Roads	84034801		188		215		245		178	205			1,031
Frostburg State University	84035801		125								250		375
Allegany Co. Transfer Sta., Oldtown	84047017		165			220					244		629
Allegany Co., Flintstone Refuse Site	84047120												0
ALLEGANY CO TOTAL	480	0	1,054	980	1,145	637	653	380	669	605	1,372	1,103	9,078
ANNE ARUNDEL	9												
Mears Marina	78343611				70					65			135
Annapolis Landing Marina	78343612	20			30		40		150	180		330	750
Port Annapolis Marina	78344201				260		50			200		140	650
Casa Rio Marina	78344302		200	150		30			90			150	620
U.S. Naval Academy	78344304												0
Magothy Marina	82070614	240					190		35				465
White Rocks Yachting Center	82152801				205				110				315
Piney Orchard WWTP	82160702												0
South County Landfill, Deale	82449401												0
MES-Crownsville Hospital	82160501									189			0
ANNE ARUNDEL CO TOTAL	0	260	200	150	565	30	280	0	385	634	0	620	2,935
BALTIMORE CITY	5												
Northwest Solid Waste Yard	82030319			220	120	185	200			480		135	1,340
Northeast Yard	82030320	65			265		260		205	205	300		1,300
Western Dist. Sanitation Yard	82030321					30							30
Quarantine Road Landfill	82030322			555			320				435		1,310
Northwest Transfer Station	82070618			225									225
BALTIMORE CITY TOTAL	0	65	0	1,000	385	215	780	0	205	685	735	135	4,205
BALTIMORE COUNTY	8												
Eastern Sanitary Landfill	82006201	2,985	892	5,658	4,672	4814	5,139	1,793	3,815	7,212	4,335	4,413	45,728
Western Acceptance Facility	82010001	580	265	1,370	905	1230	1,535	265	479	1,395	538	610	10,232
BA Co. Resource Recovery Facility	82030317	1,426	1,896	3,018	4,405	2842	4,086	665	1,843	4,866	5,132	4,922	38,181
7th Dist. Hwy. Shed, White Hall	82030318		354	482	433	225	223	309	416	360	549	288	3,639
Bowleys Quarters Marina	82070605				316	626	250		87		286		1,565
6th Dist. Hwy. Shed, Freeland	82070615	835	157	1,271	1,140		1166	474	341	1,416	1,015	210	9,271
11th District Hwy Shed	82160401			43				0					43
MPX-System	82451501						119	700	1973	1502	130	121	4,545
BALTIMORE CO TOTAL	5,826	3,564	11,842	11,871	9737	12,268	2,354	6,738	13,497	14,387	10,912	10,208	113,204

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
CALVERT	8													
Mt. Hope Waste Compactor Site	78066809	600	990	1,780	1,480	1,320	1,100	370	690	705	725	940	1,510	12,210
Ball Rd Waste Compactor Site	78343406	465	480	375	990	830	260	545	750	200	810	275	500	6,480
Huntingtown Compactor Site	78343613	280	675	650	715	535	250	530	1,410	750	375	300	1,190	7,660
Appeal Solid Waste Mgmt Facility	78343614	390	340	490	390	550	260	300	180	950	510	170	310	4,840
Lusby Waste Compactor Site	78343701	380	555	630	600	200	370	470	240	580	450	200	200	4,675
Barstow Compactor Site (LF)	78344001		625	510	480	380	230	615	720	300	720	540	540	5,120
Plum Point Rd Compactor Site	78344303	120	470	685	580	580	220	240	530	450	240	410	455	4,980
Calvert Co MD Appeal	78112501													0
CALVERT CO TOTAL	2,235	4,135	5,120	5,235	4395	2,690	3,070	3,800	4,355	3,410	2,815	4,705	45,965	
CAROLINE	6													
Melville Collect Site	72087403	200		458	225		330		260	250			250	1,973
Hobbs Landfill	72087404													0
Preston Collect Site	72213101	50			275		220			225			100	870
Holly Collect Site (Ridgely)	72213320	800	750	382	536		990	895	650	600	425		900	6,928
Old Denton Collect Site	72213324	100			275		240		250	250			250	1,365
Denton DPW	72221001	150		250			180	250	160					990
CAROLINE CO TOTAL	1,300	750	1,090	1,311	0	1,960	1,145	1,320	1,325	425	0	1,500	12,126	
CARROLL	8													
Town of Manchester	82006204			721	472	412	488	759		484	444	413	334	4,527
City of Westminster	82030310	300	200	1,794	1,150	1,089	1,273	181	637	2,284	1,098	754	733	11,493
Town of Sykesville	82030311	550	1,097	1,041	1,642	1,272	1,160	580	329	1,368	1,142	375	907	11,463
Town of Hampstead	82067012	494		512	593	550	308	246		493	673	161	580	4,610
Northern Landfill	82067013													0
Hood's Mill Landfill	82067014													0
Freedom W.W.T.F.	82070606													0
City of Taneytown	82070610			358	395	255	181		124	121	318	159	247	2,158
CARROLL CO TOTAL	1,344	1,297	4,426	4,252	3578	3,410	1,766	1,090	4,750	3,675	1,862	2,801	34,251	
CECIL	5													
Cecil County Landfill	72072610	518	420	2,327	1,147	1,791	1,034	1,473	1,503	836	1,809	439	789	14,086
Stemmer's Run Transfer Station	72072611		480		468			480			480		480	2,388
Woodlawn Transfer Station	72118601	238	279	506	599	392	753	579	846	480	422		898	5,992
Town of Elkton	72213321	600	78	315	810	200	487	239	335	332	895	379	635	5,305
Locust Point Marina	72213322													0
CECIL CO TOTAL	1,356	1,257	3,148	3,024	2383	2,274	2,771	2,684	1,648	3,606	818	2,802	27,771	

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CHARLES	10												
Charles County Landfill	78066802	1,820							3,950	1,050			6,820
Gilbert Run Park	78066806	350							1,280				1,630
Pisgah Recycling Center	78066807	260											260
Breeze Farm	78066808								400				400
Jute House @ Bel Alton	78343401												0
Pinefield YW Facility	78343405	100							810				910
Town of LaPlata Maint. Shop	78343501		115		80		100		480				775
Ruth B. Swann Park	78343608	200											200
Public Facilities - Charles County	78343610										75		75
Benedict Firehouse	78344301	100											100
CHARLES CO TOTAL	2,830	115	0	80	0	100	0	0	6,920	1,050	75	0	11,170
DORCHESTER	5												
Golden Hill T.S.	72212801	100				150				100			350
Secretary	72213201						200	360		400		300	1,260
SHA, Cambridge	72213323												0
Beulah Landfill	72213501		300		200	150	220	100	50			660	1,680
Cambridge DPW	72213601	165	275			250	280	400	110	450	170	100	2,450
DORCHESTER CO TOTAL	265	575	0	200	550	700	860	160	450	670	100	1,210	5,740
FREDERICK	7												
Mt. Airy Maint Facility	82006206	1,064	770	2,200	1,930	2063	2,245		462	2,298	1,579	912	17,063
Point of Rocks Community Center	82006212												0
Reichs Ford Landfill	82006601	1,510	500	2,455	2,679	2756	2,785	308	619	2,388	2,032	1,234	21,176
Ingrahm Shell	82030313	250	250	655	359	597	800	226	236	848	677	614	5,853
Town of Thurmont	82030314	330		796	369	380	411	344	246	692	254	579	4,652
Brunswick Public Works Garage	82152501	200		640	204		895		610	647	384	161	4,006
Walkersville	82152701	200	325	1,491	247	714	477	476	186	1,072	414	253	6,363
FREDERICK CO TOTAL	3,554	1,845	8,237	5,788	6510	7,613	1,354	2,359	7,945	5,340	3,753	4,815	59,113
GARRETT	5												
Weber's Solid Waste Collection Site	82152903			250		150	200		357	250			1,207
Rt. 135 Collection Site	82443001								400				400
Bumble Bee	84047015			300			250		525	250		247	1,572
Grantsville	84047119			350			250		658			248	1,506
Garrett Co. Landfill, Oakland	84047121			360		250			360	165			1,135
GARRETT CO TOTAL	0	0	1,260	0	400	700	0	0	2,300	665	0	495	5,820

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
HARFORD													
	12												
Town of Aberdeen, Public Works	82006207											635	635
City of Havre de Grace	82006208			288		249		736		246	412		1,931
Whiteford Hwy. Dist. Shop	82006214	228	375	707	1,053	652	900	345	320	1,136	898		6,614
Town of Bel Air	82070611	402	315	2,856	1,041	1,558	1,024	351	901	834	1,153		10,435
Scarboro Landfill	82070612	959	691	3,038	1,428	1,700	2,801	1,065		2,110	1,216		15,008
Norrisville Elem. School	82070613	407		792	210	228	290	439	245	220	880	261	779
Abingdon Hwy. Dist. Shop	82114001	908	728	1,670	2,024	1,163	1,283	1,296		1,439	1,599	1,019	1,371
Aldino Hwy. Dist. Shop, Churchville	82114003	821	387	1,359	1,335	991	1,218	796	387	1,192	1,238		2,350
Jarrettsville Highway Shop	82114004	1,343	883	1,788	1,940	1,571	2,274	1,482		2,406	1,640		2,687
Town of Aberdeen, WWTP	82152601	678		761	925	651	642	324			823	415	
Silverman WWTP	82160801			228						405			
Joppatowne	82114010	237			126					178			577
Aberdeen Proving Ground	82430101							741					986
HARFORD CO TOTAL	5,983	3,379	13,487	10,082	8763	10,432	7,575	1,853	10,166	9,859	1,695	9,385	92,659
KENT													
	5												
Kent Co. Transfer Station, Galena	72087402	125		55				275	60			250	765
Sharptown Transfer Station	72213309	200				150		225	80			150	805
Haven Harbour Marina	72213310												0
Echo Hill Outdoor School	72213311												0
Nicholson Transfer Station	72213801	450			200	120		600				725	2,095
KENT CO TOTAL	775	0	55	200	270	0	1,100	140	0	0	0	1,125	3,665
MONTGOMERY													
	5												
City of Takoma Park	78021902			260		330	200			180			970
City of Gaithersburg	78139301	60		850	210	400	380	180		310		220	2,610
Poolesville Roads Dept	78343601		250		150		200	350	180	160	120	150	1,560
Town of Chevy Chase Village	78343602												0
Montgomery Co. T.S.	78343603	2,650	2,660	3,710	5,600	5,000	4,260	1,350			650		25,880
MONTGOMERY CO TOTAL	2,710	2,910	4,820	5,960	5,730	5,040	1,880	180	650	770	370	0	31,020

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PRINCE GEORGE'S	13												
Town of Cheverly 78015901	200	40	75	150	120	80			145	55			865
Town of Riverdale Park 78021903		200	250		150	150			200	120		160	1,230
Forestville Hwy. Maintenance Facility 78021904						135							135
Brandywine Hwy. Maintenance Facility 78343402	225			250							150		625
RICA 78343604													0
City of College Park 78343605													0
Ft. Washington Marina 78343606					200						375		575
City of New Carrollton 78343607	305	180	185	460	330			235	470	40	100	170	2,475
City of Hyattsville 78343801	170												170
City of Greenbelt 82030309	384	770	550	1,100	550	382		63	529	833	401	741	6,303
City of Bowie 82070607			966										966
Glenn Dale Hwy. Maintenance Facility 82070608													0
City of Laurel 82152301	436	537		571	494	320	645	365	304			1,200	4,872
PRINCE GEORGE'S CO TOTAL	1,720	1,727	2,026	2,531	1,844	1,067	645	663	1,648	1,048	1,026	2,271	18,216
QUEEN ANNE'S	8												
Centreville Landfill 72213312	250	100	125	500			430	335	180	250	250	350	2,770
Q.A. County Public Landing 72213313	300	200	150	50		375	50	720	100	350	625	615	3,535
Church Hill Transfer Station 72213314	315		150			460	310	140	150		100	100	1,725
Grasonville Transfer Station 72213315	200		350	525	250	775	350	250	270			675	3,645
Millington Transfer Station 72213316	100	75	150	300		475	200	150	80	80			1,610
Batts Neck Transfer Station 72213317	200		400	1,000		1,150	270	700	100	750	150	500	5,220
Q.A. County Bay Bridge Airport 72213318								90					90
Piney Narrows Yacht 72307702	275		650	200		50		100			275		1,550
QUEEN ANNE'S CO TOTAL	1,640	375	1,975	2,575	250	3,285	1,610	2,485	880	1,430	1,400	2,240	20,145
SAINT MARY'S	9												
Oakville Transfer Station 78021905	400	650	575	760	380	400	625	425	510		250	1,500	6,475
St. Andrews Transfer Station 78066803	600	1,295	1,250	1,240	1,440	890	540	770	1,890	760	640	1,360	12,675
Charlotte Hall Transfer Station 78066804	945	1,290	1,325	1,550	1,170	1,490	560	340	2,015	350	1,090	1,200	13,325
Valley Lee Transfer Station 78066805	650	475	710	610	775	260	625	300	250	580	240	440	5,915
Ridge Transfer Station 78343403		740	460	740		500		500	500	300	350	330	4,420
Clement's Transfer Station 78344101	350	965	725	1,050	715	360	900	450	730	700	300	1,265	8,510
Maryland Valley 78491301													0
Public Works 78491901											400	400	800
Clements 78491902													0
ST MARY'S CO TOTAL	2,945	5,415	5,045	5,950	4480	3,900	3,250	2,785	5,895	2,690	3,270	6,495	52,120

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SOMERSET	7												
Chance Transfer Station 72072605				200		100		200	375				875
Marion-Crisfield Transfer Station 72072606	65			137		330	325	330	310		400		1,897
Somers Cove Marina 72072607	75										625		700
Mt. Vernon Transfer Station 72072608			350		110	300		250	350				1,360
Dublin-Costen Transfer Station 72072609				220		225							445
Somerset County Landfill 72213001				250		280	250	270	290	450	225		2,015
City of Crisfield 72214301			500								175		675
SOMERSET CO TOTAL	140	0	850	807	110	1,235	575	1,050	1,325	450	1,425	0	7,967
TALBOT	6												
Dogwood Harbour 72092801	50			250		225	110			100		230	965
Oak Creek 72163001	125			225	150		370	50		225		100	1,245
Hinckley Yacht Services 72213303													0
Midshore Landfill 72213319	450	375	400	737	80	300	675		450	350		690	4,507
Bellevue 72232301	50							320				200	570
Neavitt 72232501	110					100	100	50		100			460
TALBOT CO TOTAL	785	375	400	1212	230	625	1255	420	450	775	0	1220	7747
WASHINGTON (6)	7												
Kaetzell Transfer Station 82030308	150	200	259	639	408	270	306	204	524		494	111	3,565
Dargan Transfer Station 82031701				279	104	185			108	245		118	1,039
Greensburg Transfer Station 82152901	150		300	363	255	410	504		854			762	3,598
Town of Boonsboro 82030307 82153003				99	1219			248					1,566
Forty West Landfill (Reich) 83037023	100	450	1,483	1,265		1,030	389	1,147	1,487	711	1,334	573	9,969
Hancock Landfill 83042310			250	188			350					243	1,031
Town of Boonsboro 82030307	200								308	189			697
WASHINGTON CO TOTAL	600	650	2292	2833	1986	1895	1549	1599	3281	1145	1828	1807	21465

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
WICOMICO 12													
Allen Transfer Station 72072601				250				50	200			250	750
Bivalve T.S. 72072602	50				175			275		100.00			600
Mardela T.S. 72120601	100						250	100		200			650
Wicomico Rec & Parks 72213301									400	200			600
Blackwater T.S. Delmar TS 72213302			252				250	10				260	772
Salisbury T.S. 72213304	130		1,100	100		125	200	180		125		175	2,135
New Land Park T.S. 72213305		800	691	1200	320	275	1125	450	500	525		1160	7,046
Quantico T.S. 72213306						475		250		100			825
Wango T.S. 72213701			119		225		275	100		275		100	1,094
Hebron T.S. 72213702			267			130		215	175	100		100	987
Parsonsborg T.S. 72213703			388	200		190	180	100	150	250		225	1,683
Sharptown T.S. 72213704			381			200		220	50			250	1,101
WICOMICO CO TOTAL	280	800	3,198	1,750	720	1,395	2,280	1,950	1,475	1,875	0	2,520	18,243
WORCHESTER 6													
Central Landfill, Newark 72087401							100	100		240			440
Ocean City Fishing Center 72213307													0
Snow Hill Transfer Station 72213308	100		190	240		325		200	295	200		250	1,800
Ocean City Recycling Ctr 72213401													0
Berlin Transfer Station 72213705	175	350	550	550	200	965	225	655	325	625		600	5,220
Pocomoke Public Landfill 72213706	100			300		200		320		225			1,145
WORCHESTER CO TOTAL	375	350	740	1,090	200	1,490	325	1,275	620	1,290	0	850	8,605
STATE TOTAL	37,143	29,844	71,265	68,881	54,231	62,961	37,077	32,931	70,839	56,484	33,456	58,307	613,230
CY10 1QTR TOTAL			138,252	CY10 2QTR TOTAL		186,073	CY10 3QTR TOTAL		140,847	CY10 4QTR TOTAL		148,247	

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DETAILED USED ANTIFREEZE COLLECTION DATA

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
ALLEGANY													0
Mountainview Landfill 82272901			50						160				210
Penn Mar Recycling Building 84006201			70						140				210
Allegany Co. Roads 84034801			60										60
Frostburg State University 84035801													0
Allegany Co. Transfer Sta., Oldtown 84047017													0
Allegany Co., Flintstone Refuse Site 84047120													0
													0
													0
ALLEGANY CO TOTAL	0	0	180	0	0	0	0	0	300	0	0	0	480
ANNE ARUNDEL													
Mears Marina 78343611								50					50
Annapolis Landing Marina 78343612	20												20
Port Annapolis 78344201											45	45	90
Casa Rio Marina 78344302												45	45
U.S. Naval Academy 78344304													0
Magothy Marina 82070614								55					55
White Rocks Yachting Center 82152801								110					110
Piney Orchard WWTP 82160702													0
South County Landfill, Deale 82449401													0
													0
													0
ANNE ARUNDEL CO TOTAL	20	0	0	0	0	0	0	215	0	0	45	90	370
BALTIMORE CITY													
Northwest Solid Waste Yard 82030319													0
Northeast Yard 82030320													0
Western Dist. Sanitation Yard 82030321													0
Quarantine Road Landfill 82030322				110									110
Northwest Transfer Station 82070618													0
													0
													0
BALTIMORE CITY TOTAL	0	0	0	110	0	0	0	0	0	0	0	0	110
BALTIMORE COUNTY													
Eastern Sanitary Landfill 82006201	330		433	300	396	314			480	543			2,796
Western Acceptance Facility 82010001						560							560
BA Co. Resource Recovery Facility 82030317	400		211	345		509			375	240		195	2,275
7th Dist. Hwy. Shed, White Hall 82030318													0
Bowleys Quarters Marina 82070605										121			121
6th Dist. Hwy. Shed, Freeland 82070615													0
11th District Hwy Shed 82160401													0
													0
													0
BALTIMORE CO TOTAL	730	0	644	645	396	1,383	0	0	855	904	0	195	5,752

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CALVERT													
Mt. Hope Waste Compactor Site	78066809		75			170					10	10	265
Ball Rd Waste Compactor Site	78343406	20	20		20	20							80
Huntingtown Compactor Site	78343613	230	350	70		120		40		30	70	70	980
Appeal Solid Waste Mgmt Fac.	78343614	20			50			40					110
Lusby Waste Compactor Site	78343701												0
Barstow Compactor Site (LF)	78344001	40	70						290		40	40	480
Plum Point Rd Compactor Site	78344303		50								10	10	70
Plum Point	78112401					50							50
													0
CALVERT CO TOTAL	310	565	70	70	190	170	0	80	290	30	130	130	2035
CAROLINE													
Melville Collect Site	72087403			940					75				1,015
Hobbs Landfill	72087404												0
Preston Collect Site	72213101				100				75				175
Holly Collect Site (Ridgely)	72213320		110		32		50						192
Old Denton Collect Site	72213324							150					150
Denton DPW	72221001								350				350
													0
													0
CAROLINE CO TOTAL	0	110	940	132	0	0	50	150	500	0	0	0	1,882
CARROLL													
Town of Manchester	82006204												0
City of Westminster	82030310												0
Town of Sykesville	82030311	161				150					299	289	899
Town of Hampstead	82067012				118						230	230	578
Northern Landfill	82067013												0
Hood's Mill Landfill	82067014												0
Freedom W.W.T.F.	82070606												0
City of Taneytown	82070610												0
													0
													0
CARROLL CO TOTAL	161	0	0	118	0	150	0	0	0	0	529	519	1477
CECIL													
Cecil County Landfill	72072610			500		500							1,000
Stemmer's Run Transfer Station	72072611						321						321
Woodlawn Transfer Station	72118601					250							250
Town of Elkton	72213321							30				55	85
Locust Point Marina	72213322												0
													0
													0
CECIL CO TOTAL	0	0	500	0	0	750	321	30	0	0	0	55	1,656

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
CHARLES													
Charles County Landfill	78066802	200							220	150			570
Gilbert Run Park	78066806									220			220
Pisgah Recycling Center	78066807												0
Breeze Farm	78066808												0
Jute House @ Bel Alton	78343401												0
Pinefield YW Facility	78343405	50											50
Town of LaPlata Maint. Shop	78343501								275				275
Ruth B. Swann Park	78343608												0
Public Facilities - Charles County	78343610												0
Benedict Firehouse	78344301												0
													0
													0
CHARLES CO TOTAL		250	0	0	0	0	0	0	495	370	0	0	1115
DORCHESTER (5)													
Golden Hill T.S.	72212801				75					90			165
Secretary	72213201					120							120
SHA, Cambridge	72213323		200										200
Beulah Landfill	72213501				200								200
Cambridge DPW	72213601					150							150
													0
													0
DORCHESTER CO TOTAL		0	200	0	0	275	270	0	0	90	0	0	835
FREDERICK													
Mt. Airy Maint Facility	82006206		197		275	121		275				380	1,248
Point of Rocks Community Center	82006212												0
Reichs Ford Landfill	82006601	106		186	335	314	90	275	100	187		541	2,134
Ingrahm Shell	82030313			52		55	117				110	110	444
Town of Thurmont	82030314			106	58				140				304
Brunswick Public Works Garage	82152501												0
Walkersville	82152701					208			265		245	245	963
													0
													0
FREDERICK CO TOTAL		106	197	344	668	577	328	275	375	592	0	355	5,093
GARRETT													
Weber's Solid Waste Collection Site	82152903			80									80
Rt. 135 Collection Site	82443001			25									25
Bumble Bee	84047015			40						50			90
Grantsville	84047119			90					55				145
Garrett Co. Landfill, Oakland	84047121			80					30				110
													0
													0
GARRETT CO TOTAL		0	0	315	0	0	0	0	85	50	0	0	450

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
HARFORD													
Town of Aberdeen, Public Works	82006207									65		15	80
City of Havre de Grace	82006208			209									209
Whiteford Hwy. Dist. Shop	82006214	80		53	30				275				438
Town of Bel Air	82070611	53			100				250				403
Scarboro Landfill	82070612	261	80	148	90		161		420	70		260	1,490
Norrisville Elem. School	82070613												0
Abingdon Hwy. Dist. Shop	82114001			158					259	176			593
Aldino Hwy. Dist. Shop, Churchville	82114003		146	156	40				150	105		391	988
Jarrettsville Highway Shop	82114004	223		304	205		195		200	544	190	329	2,190
Town of Aberdeen, WWTP	82152601			39	70								109
Silverman WWTP	82160801												0
Joppatowne	82114010											105	105
													0
													0
HARFORD CO TOTAL	617	226	1067	535	0	356	0	0	1554	960	190	1100	6605
KENT													
Kent Co. Transfer Station, Galena	72087402						50					50	100
Sharptown Transfer Station	72213309				50								50
Haven Harbour Marina	72213310												0
Echo Hill Outdoor School	72213311												0
Nicholson Transfer Station	72213801						55						55
													0
													0
KENT CO TOTAL	0	0	0	0	50	0	105	0	0	0	0	50	205
MONTGOMERY													
City of Takoma Park	78021902					50							50
City of Gaithersburg	78139301					80							80
Poolesville Roads Dept	78343601	150							70				220
Town of Chevy Chase Village	78343602												0
Montgomery Co. T.S.	78343603	280	300	370	500	500	490		200				2,640
													0
													0
MONTGOMERY CO TOTAL	430	300	370	500	630	490	0	270	0	0	0	0	2990

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
PRINCE GEORGE'S													
Town of Cheverly 78015901	40												40
Town of Riverdale Park 78021903													0
Forestville Hwy. Maintenance Facility 78021904													0
Brandywine Hwy. Maintenance Facility 78343402													0
RICA 78343604													0
City of College Park 78343605													0
Ft. Washington Marina 78343606													0
City of New Carrollton 78343607		75				40				40		25	180
City of Hyattsville 78343801													0
City of Greenbelt 82030309						110	55		110				275
City of Bowie 82070607													0
Glenn Dale Hwy. Maintenance Facility 82070608													0
City of Laurel 82152301				208					275			275	758
													0
													0
PRINCE GEORGE'S CO TOTAL	40	75	0	208	0	150	55	0	385	40	0	300	1253
QUEEN ANNE'S													
Centreville Landfill 72213312							140				100		240
Q.A. County Public Landing 72213313													0
Church Hill Transfer Station 72213314						150					100		250
Grasonville Transfer Station 72213315				130		120						75	325
Millington Transfer Station 72213316						65			130				195
Batts Neck Transfer Station 72213317						55		100				100	255
Q.A. County Bay Bridge Airport 72213318													0
Piney Narrows Yacht 72307702			100								100		200
													0
													0
QUEEN ANNE'S CO TOTAL	0	0	100	130	0	390	140	100	130	0	300	175	1,465
SAINT MARY'S													
Oakville Transfer Station 78021905		65	30	100					40	55			290
St. Andrews Transfer Station 78066803	130	40	130	80	40	60				80			560
Charlotte Hall Transfer Station 78066804	50	55	160	70	20	20		30	50	40			495
Valley Lee Transfer Station 78066805			40			70			30				140
Ridge Transfer Station 78343403			40	50									90
Clement's Transfer Station 78344101	5	30	10	20	60				120				245
Maryland Valley 78491301													0
Public Works 78491901													0
													0
ST MARY'S CO TOTAL	185	190	410	320	120	150	0	30	240	175	0	0	1,820

LOCATIONS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SOMERSET													
Chance Transfer Station 72072605													0
Marion-Crisfield Transfer Station 72072606							50						50
Somers Cove Marina 72072607													0
Mt. Vernon Transfer Station 72072608					50	50							100
Dublin-Costen Transfer Station 72072609													0
Somerset County Landfill 72213001							100						100
City of Crisfield 72214301													0
													0
													0
SOMERSET CO TOTAL	0	0	0	0	50	50	150	0	0	0	0	0	250
TALBOT													
Dogwood Harbour 72092801													0
Hinckley Yacht Services 72213303													0
Midshore Landfill 72213319				100		100	60					150	410
													0
													0
TALBOT CO TOTAL	0	0	0	100	0	100	60	0	0	0	0	150	410
WASHINGTON (6)													
Kaetzell Transfer Station 82030308									84				84
Dargan Transfer Station 82031701									43				43
Greensburg Transfer Station 82152901					72								72
Town of Boonsboro 82030307 82153003													0
Forty West Landfill (Reich) 83037023			314			187			65		227	227	1,020
Hancock Landfill 83042310			50										50
Town of Boonsboro 82030307													0
													0
WASHINGTON CO TOTAL	0	0	364	0	72	187	0	0	192	0	227	227	1269
WICOMICO													
Allen Transfer Station 72072601				175				80	50				305
Bivalve T.S. 72072602	50												50
Mardela T.S. 72120601								80					80
Wicomico Rec & Parks 72213301									55				55
Blackwater T.S. Delmar TS 72213302								55					55
Salisbury T.S. 72213304				80									80
New Land Park T.S. 72213305			311	500	160		290	210	100			470	2,041
Quantico T.S. 72213306								50					50
Wango T.S. 72213701								55				55	110
Hebron T.S. 72213702													0
Parsonsburg T.S. 72213703													0
Sharptown T.S. 72213704			66										66
													0
													0
WICOMICO CO TOTAL	50	0	377	755	160	0	290	530	205	0	0	525	2,892

